

**PDC Excel Series 40  
Butterfly Valve  
2" thru 60" for High  
Temperature & Dirty Service  
125/150 lb. Flanging**



**\*Torque, Lb-In, Required for  
PDC Swing Thru Butterfly Valves  
with Disc in Closed Position for  
Temperatures up to 450° Fahrenheit**

\*Below torques only apply to normal clean service conditions.

VALVE SIZE	PRESSURE DROP ACROSS DISC IN CLOSED POSITION, PSI																
	0.5	1	5	10	15	20	25	30	40	50	60	70	80	90	100	125	150
2	50	50	52	53	55	56	58	59	62	65	68	71	74	77	80	88	95
2.5	50	51	53	55	58	60	63	65	70	75	80	85	90	95	100	113	125
3	50	51	54	57	61	64	68	71	78	85	92	99	108	113	120	138	155
4	51	52	59	67	78	84	93	101	118	135	152	169	188	203	220	263	-
5	51	53	63	75	88	100	113	125	150	175	200	225	250	275	300	-	-
6	52	54	69	88	107	126	145	164	202	240	278	316	354	-	-	-	-

VALVE SIZE	PRESSURE DROP ACROSS DISC IN CLOSED POSITION, PSI																
	0.5	1	3	5	8	10	13	15	20	25	30	35	40	45	50	60	70
8	124	128	158	195	233	270	308	345	420	495	570	645	720	795	-	-	-
10	129	137	171	205	256	290	341	375	460	545	630	715	800	885	970	1,140	1,310
12	132	143	189	235	304	350	419	465	580	695	810	925	1,040	1,155	1,270	-	-
14	139	157	231	305	416	490	601	675	860	1,045	1,230	-	-	-	-	-	-

VALVE SIZE	PRESSURE DROP ACROSS DISC IN CLOSED POSITION, PSI																
	0.5	1	2	4	5	7	9	10	12	14	15	17	19	20	22	24	25
16	223	245	335	425	560	650	785	875	1,100	1,325	1,550	1,775	2,000	-	-	-	-
18	235	270	410	550	760	900	1,100	1,250	1,600	1,950	2,300	2,650	-	-	-	-	-
20	245	290	380	580	650	830	1,010	1,100	1,280	1,460	1,550	1,730	1,910	2,000	2,180	2,380	2,450
22	261	322	444	688	810	1,054	1,298	1,420	1,664	1,908	2,030	2,274	2,518	2,640	-	-	-
24	280	359	518	836	995	1,313	1,631	1,790	2,108	2,426	2,585	2,903	-	-	-	-	-

VALVE SIZE	PRESSURE DROP ACROSS DISC IN CLOSED POSITION, PSI																	
	0.5	1.2	2	2.5	3	3.5	4	4.5	5	5.5	6	7	8	9	10	11	12	
26	403	505	710	1,120	1,325	1,735	2,145	2,350	2,760	3,170	-	-	-	-	-	-	-	
28	429	687	816	945	1,074	1,203	1,332	1,461	1,590	1,719	1,848	2,106	2,364	2,622	2,880	3,138	3,396	
30	460	779	938	1,098	1,257	1,417	1,576	1,738	1,695	2,055	2,214	2,533	2,652	3,171	3,490	3,809	-	
32	592	976	1,168	1,380	1,552	1,744	1,936	2,128	2,320	2,512	2,704	3,088	3,472	3,856	4,240	4,624	5,008	
34	632	1,096	1,328	1,560	1,792	2,024	2,256	2,488	2,720	2,952	3,184	3,648	4,112	4,576	5,040	-	-	
36	677	1,231	1,508	1,785	2,062	2,339	2,616	2,693	3,170	3,447	3,724	4,278	4,832	5,386	-	-	-	
38	727	1,381	1,708	2,035	2,362	2,689	3,016	3,343	3,670	3,997	4,324	4,978	5,832	-	-	-	-	
40	883	1,648	2,030	2,413	2,795	3,178	3,560	3,943	4,325	4,708	5,090	5,855	6,620	7,385	-	-	-	
42	945	1,834	2,278	2,723	3,167	3,612	4,058	4,501	4,945	5,390	5,834	6,723	7,612	-	-	-	-	
44	1,013	2,039	2,552	3,065	3,578	4,091	4,804	5,117	5,630	6,143	6,656	7,882	-	-	-	-	-	
46	1,088	2,264	2,852	3,440	4,028	4,616	5,204	5,792	6,380	6,968	7,586	-	-	-	-	-	-	
48	1,170	2,510	3,180	3,850	4,520	5,190	5,860	6,530	7,200	-	-	-	-	-	-	-	-	
54	1,510	3,029	3,788	4,548	5,307	6,067	6,826	7,586	8,345	-	-	-	-	-	-	-	-	
60	1,856	3,588	4,424	5,280	6,136	6,992	7,848	9,560	-	-	-	-	-	-	-	-	-	

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